

ABSTRACT

A polymer that contains pendant fatty chains to introduce or enhance hydrophobic properties or adjust the HLB (hydrophilic lipophilic balance) of polymeric surfactants.

The pendant fatty chains can appear in the polymer chain in various levels of occurrence from 5 ppm to has high as 100% with a normal occurrence of between 30% and 60%. Polymer types that can be created with this moiety to display these properties include, but are not limited to, polyurethane, polyurea, polyamide, polyester, polycarbonate, polyether, polysiloxane, epoxy, polyacrylic, polyacrylate, polyvinyl.